IN THE CLAIMS

- 1 (Withdrawn). A method comprising: treating an unexposed photoresist with an electric field.
- 2 (Withdrawn). The method of claim 1 wherein treating includes exposing a photoresist to an electric field to reduce the horizontal extent of aggregates formed in the photoresist.
- 3 (Withdrawn). The method of claim 1 wherein treating includes reducing line edge roughness by exposing photoresist to an electric field before exposing the photoresist to radiation.
- 4 (Withdrawn). The method of claim 1 wherein treating the photoresist includes exposing said photoresist to an electric field while the photoresist is above its glass transition temperature.
- 5 (Withdrawn). The method of claim 4 including causing said photoresist to exceed its glass transition temperature by heating said photoresist.
- 6 (Withdrawn). The method of claim 5 including causing said photoresist to exceed its glass transition temperature by solvent-induced depression.
- 7 (Withdrawn). The method of claim 1 wherein treating an unexposed photoresist includes using an electrode to generate said electric field, said electrode having an opening that enables said photoresist to be exposed to radiation.
- 8 (Withdrawn). The method of claim 1 wherein treating includes depositing a conductive layer on said photoresist in order to apply an electric field to said photoresist.

- 9 (Withdrawn). The method of claim 1 wherein treating an unexposed photoresist with an electric field includes generating said electric field by passing alternating current through a coil.
 - 10 (Withdrawn). The method of claim 9 including using a radio frequency coil.
 - 11 (Original). A method comprising: forming a conductive layer over photoresist; and exposing said photoresist to an electric field using said layer.
- 12 (Original). The method of claim 11 including depositing said layer to enable radiation to pass through said layer.
- 13 (Original). The method of claim 11 including depositing a conductive material to form said layer and removing said layer after the photoresist is developed.
 - 14 (Original). The method of claim 11 including spinning on said conductive layer.
- 15 (Original). The method of claim 11 wherein forming a conductive layer includes depositing a water soluble conductive material to act as said conductive electrode.
- 16 (Original). A method comprising:
 treating a photoresist with an electric field generated by passing alternating current through a coil.
- 17 (Original). The method of claim 16 including arranging said coil so as to allow said photoresist to be exposed to radiation.
- 18 (Original). The method of claim 16 including exposing said photoresist to said electric field while said photoresist is being exposed to radiation to transfer a pattern to said photoresist.

- 19 (Original). The method of claim 16 including using a radio frequency coil.
- 20 (Original). A method comprising:

 exposing photoresist to radiation; and

 while exposing said photoresist to radiation, exposing said photoresist to an electric field.
- 21 (Original). The method of claim 20 including exposing said photoresist to an electric field using an electrode with an opening to permit the passage of radiation.
- 22 (Original). The method of claim 20 including exposing said photoresist to radiation through an electrode which is thin enough to allow said radiation to pass.
- 23 (Original). The method of claim 20 including exposing said photoresist to an electric field using a radio frequency coil to induce said electric field.
- 24 (Original). The method of claim 20 including exposing the photoresist to extreme ultraviolet radiation.
 - 25 (Original). A method comprising:

 forming a photoresist on a substrate;

 baking said photoresist before exposure; and

 while baking said photoresist, applying an electric field.
- 26 (Original). The method of claim 25 including exposing said photoresist to an electric field using a radio frequency coil.
- 27 (Original). The method of claim 25 including exposing said photoresist to an electric field using an electrode with an opening therethrough.
 - 28 (Original). The method of claim 27 including using a ring shaped electrode.

- 29 (Original). The method of claim 25 including exposing said baked photoresist to extreme ultraviolet radiation.
- 30 (Original). A method comprising:

 developing an irradiated photoresist; and

 while developing said irradiated photoresist, exposing said photoresist to an electric field.
- 31 (Original). The method of claim 30 including causing the resist development rate to be higher at the bottom of the photoresist than at the top.
- 32 (Original). The method of claim 30 including applying an AC potential to said photoresist.
- 33 (Original). The method of claim 30 including applying a DC potential to said photoresist.
- 34 (Withdrawn). A semiconductor structure comprising:

 a substrate having a plane;

 photoresist on said substrate; and

 aggregates dispersed through said photoresist, said aggregates being aligned substantially transversely to the plane of said substrate.
- 35 (Withdrawn). The structure of claim 34 wherein said photoresist is a hydrogen-bonding polymer or copolymer.
 - 36 (Withdrawn). The structure of claim 34 wherein said substrate is a wafer.

- 37 (Withdrawn). A semiconductor structure comprising:
 - a substrate;
 - a photoresist over said substrate; and
- a soluble conductive layer formed over said photoresist, said conductive layer to apply an electric field to said photoresist.
- 38 (Withdrawn). The semiconductor structure of claim 37 wherein said conductive layer comprises a functionalized polythiophene polymer.
- 39 (Withdrawn). The semiconductor structure of claim 38 wherein said conductive layer comprises a functionalized polythiophene polymer and onium sulfonate salt.
- 40 (Withdrawn). The semiconductor structure of claim 37 wherein said conductive layer comprises a functionalized polythiophene polymer and an ammonium sulfonate salt.